Chapter 10 Test
Tomorrow

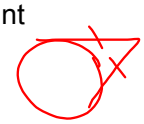
10.1 Terminology
Circumference $C = 2\pi r$ $C = \pi d$

10.2 Central angles
arcs
congruent arcs
***arc length $\ell = \frac{A}{360} \cdot C$

10.3 congruent chords have congruent arcs
perpendicular radius and chord
right triangles
inscribed polygons

10.4 Inscribed angles $= \frac{1}{2}$ arc
inscribed quadrilaterals $x + y = 180$

10.5 Tangents
perpendicular
congruent from same point
right triangles
Tangent and chord



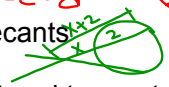
$= \frac{1}{2}$ arc

10.6 Inside angles $= \frac{1}{2}$ sum
Outside angles $= \frac{1}{2}$ diff

Specific
ex w/ 2 tangents

10.7 Segment lengths
two chords
$a \cdot b = c \cdot d$

two secants



whole · ext = whole · ext

secant and tangent

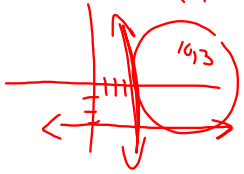
tan² = whole · ext

10.8 Equation

$r^2 = (x-h)^2 + (y-k)^2$

r = radius C(h, k)

eqn. of circle
$r = 6$
tangent to $x = 4$ & $y = -3$
Centered in QI



$36 = (x-10)^2 + (y-3)^2$